Tectonic Homework Booklet

Geography

Name: _____

Class: _____

Date: _____

Time:

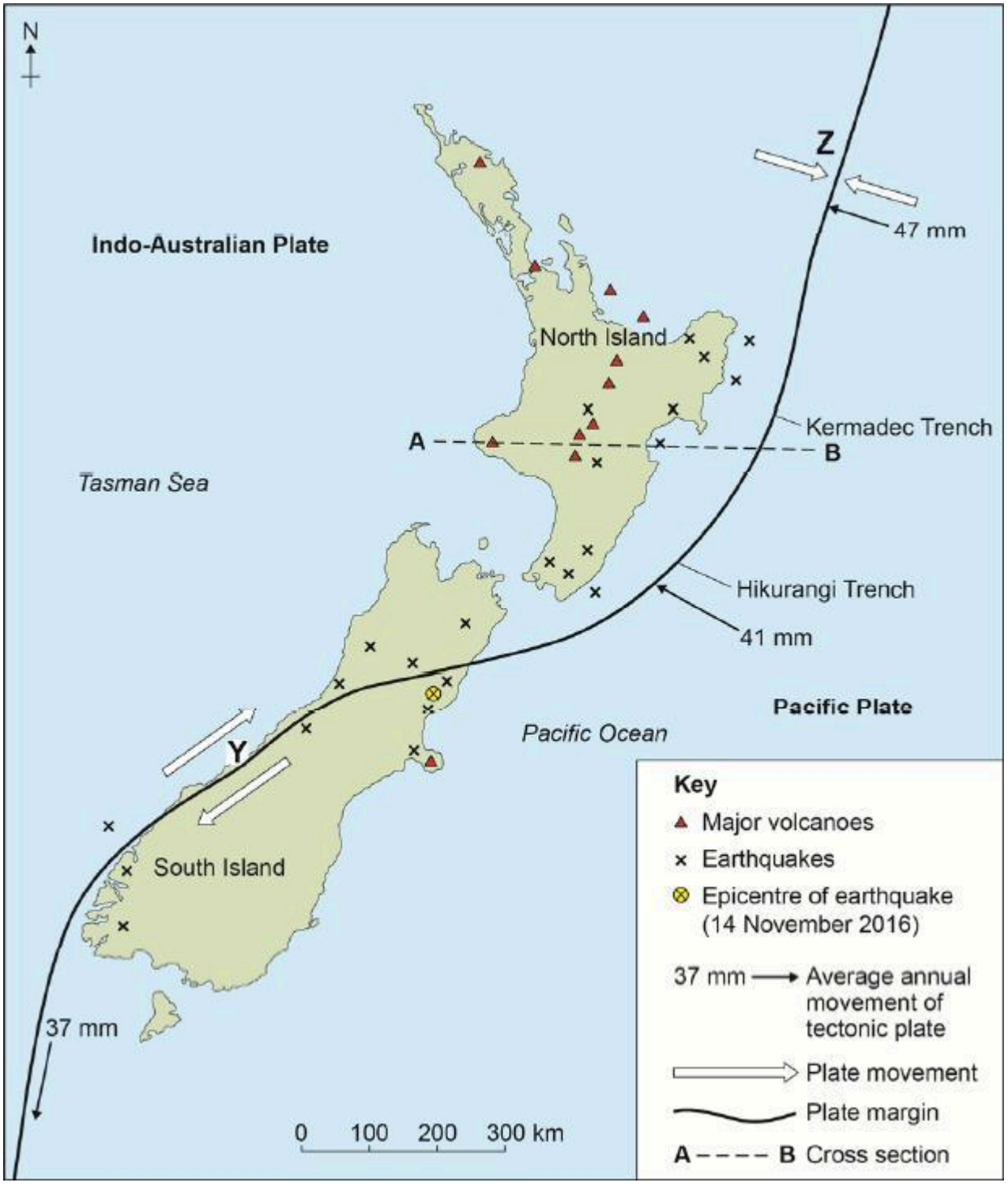
Marks: **22 marks**

Comments: **Make sure you develop and link your points back to the question**

Q1.

Study **Figure 1**, a map showing tectonic hazards in New Zealand.

Figure 1



(a) Using **Figure 1**, name the type of plate margin at **Y**.

_____

(1)

(b) Using **Figure 1**, which **one** of the following statements is true?

Shade **one** circle only.

A All earthquakes are found along a plate margin. ⬭

B Earthquakes and volcanoes are evenly spread across New Zealand. ⬭

C Volcanoes and earthquakes only take place on land. ⬭

D The majority of volcanoes occur in a line through the central part of North Island. ⬭

(1)

(c) Using **Figure 1**, how much movement will there be along plate margin **Z** in 100 years?

Shade **one** circle only.

A 47 millimetres ⬭

B 47 centimetres ⬭

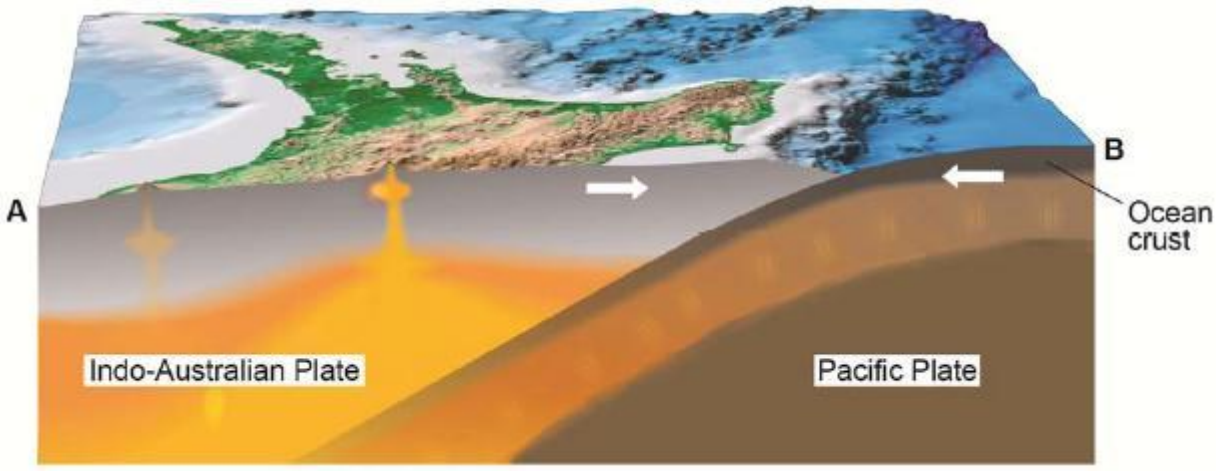
C 4.7 metres ⬭

D 47 metres ⬭

(1)

(d) Study **Figure 2**, a block diagram showing a cross section between **A** and **B** on **Figure 1**.

Figure 2



Using **Figures 1 and 2**, suggest why both volcanoes and earthquakes occur in New Zealand.

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(6)

(Total 9 marks)

Q2.

What is an earthquake?

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(Total 2 marks)

Q3.

Earthquakes are another example of tectonic activity.
Describe the primary and secondary effects of an earthquake.

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(Total 4 marks)

Q4.

People continue to live in areas at risk from earthquakes.

Which **two** of the following statements help to explain this?

Tick the **two** correct boxes.

People cannot afford to move away. ☐

People will have plenty of time to evacuate if an earthquake strikes ☐

Many buildings are designed to absorb shockwaves. ☐

People believe that their lives are in danger. ☐

(Total 2 marks)

Q5.

Describe ways in which the damaging effects of **either** earthquakes **or** volcanic eruptions may be reduced.

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Extra space _____

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(Total 5 marks)